

#18/B 18  
2/21/02

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
(Atty Docket No. MIC001USCIP)

**Serial No.:** 09/487,558  
**Filed:** 19 January 2000  
**Inventors:** Busby *et al.*  
**Title:** METHODS FOR IMPROVING SECONDARY METABOLITE  
PRODUCTION IN FUNGI  
**Group Art Unit:** 1636  
**Before the Examiner:** K. Davis

Assistant Commissioner for Patents  
Washington, D.C. 20231

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**APPLICANTS' SECOND SUPPLEMENTAL  
REPLY PURSUANT TO 37 C.F.R. §1.111**

Hon. Assistant Commissioner for Patents:

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Final Res  
3-6-02  
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Please amend the specification as follows. At page 76, line 28, after the nucleotide sequence, please insert -- [SEQ ID NO: 441]--. At page 76, line 29, after the nucleotide sequence, please insert -- [SEQ ID NO: 442] --. At page 76, line 30, after the nucleotide sequence, please insert -- [SEQ ID NO: 443] --. At page 76, line 31, after the nucleotide sequence, please insert -- [SEQ ID NO: 444] --. At page 79, line 5, after the nucleotide sequence, please insert -- [SEQ ID NO: 445] --. At page 79, line 6, after the nucleotide sequence, please insert -- [SEQ ID NO: 446] --.

Please amend claim 1 to read as follows.

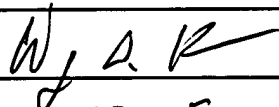
- B1
1. (Amended) A method for improving production of a secondary metabolite by a fungus by increasing the yield of the secondary metabolite in the fungus, the method comprising modulating the expression of a gene involved in regulation of secondary metabolite production in a manner that

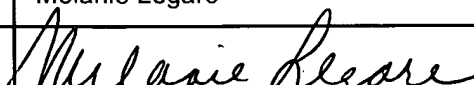
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	<b>Application Number</b>	09/487,558	
	<b>Filing Date</b>	01/19/2000	
	<b>First Named Inventor</b>	Robert Busby	
	<b>Group Art Unit</b>	1636	
	<b>Examiner Name</b>	K. Davis	
<b>Total Number of Pages in This Submission</b>	9	<b>Attorney Docket Number</b>	MIC-001CP (1003/002)

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<b>ENCLOSURES (check all that apply)</b>		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input checked="" type="checkbox"/> CD, Number of CD(s) <u>3</u>	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	<b>Remarks</b>	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	1. Return postcard 2. Applicants' Second Supplemental Reply 3. Statement Pursuant to 37 C.F.R. 1.821-1.825 4. Change of Correspondence Address	

<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>	
Firm or Individual name	Wayne A. Keown, Ph.D.
Signature	
Date	12 February 2002

<b>CERTIFICATE OF EXPRESS MAILING</b>			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on <u>2/12/02</u>			
Typed or printed name	Melanie Legare		
Signature		Date	2/12/02

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